

MAINTENANCE ELECTRICIAN

DISTINGUISHING FEATURES

The fundamental reason the Maintenance Electrician exists is to perform skilled level electrician work to install, alter, maintain, and repair electrical systems, equipment, and fixtures in accordance with standard practices of the electrical trade in the Facilities division of the Community Services Department. This classification is not supervisory. Work is performed independently under general supervision by a Facilities Contract Coordinator.

ESSENTIAL FUNCTIONS

Maintains, repairs, and replaces a variety of pumps, motors, exhaust fans, coolers, and appliance motors.

Maintains 120 volt to 480 volt electrical systems.

Repairs or replaces electrical switches, fixtures, etc.; and inspects fuses, buss bars and electrical contacts.

Layout plans, installs, maintains, and repairs electrical equipment such as: high current heaters, sprinkler controls, motor control circuits, alarm systems, public address systems, lighting circuits, heating and air conditioning circuits, photo and electrical eyes and time clocks.

Performs as a team player who works effectively with City staff and citizens; creative thinker who is driven by opportunities to continually improve.

Designs and installs switches and controllers for booster pump circuitry.

Installs lighting facilities for park, basketball courts, tennis courts, and baseball fields; provides exterior and interior lighting for buildings and offices.

Maintains equipment under 24 hour operation. Acts as a "standby" electrician for responding to emergency calls after normal working hours.

MINIMUM QUALIFICATIONS

Knowledge, Skills, and Abilities

Knowledge of:

Principles, methods, materials, equipment and tools used in electrical construction and maintenance

Hazards and precautionary methods of the electrical trade.

National Electric Code and relevant municipal codes.

Occupational hazards and necessary safety precautions.

Skills:

In troubleshooting and adjusting defects in electrical systems and equipment.

The care and use of hand tools

Ability to:

Interpret assignments from blueprints, sketches, and material takeoffs.

Make mathematical computations.

Operate a variety of shop equipment and hand tools

Operate a motor vehicle

Move heavy objects over 50 lbs. long distances (more than 20 feet).
Work at heights; bend and stoop repeatedly.
Perceive the full range of the color spectrum
Exercise good physical and hand/eye coordination
Communicate effectively
Maintain detailed records of maintenance activities and completed work orders.
Perform work in a safe and timely manner
Establish and maintain effective working relationships with co-workers, supervisors, and the general public.
Measure distances with a tape measure or other measuring device.
Make precise arm-hand positioning movements (i.e., operates an electric hand drill).
Lift arms above shoulder level to work in ceiling areas, on light fixtures, or on traffic signals.
Work in small, cramped areas such as ceiling crawl spaces, equipment enclosures, closets, etc.
Climb ladders or steps to reach work areas.
Work at heights greater than ten feet.
Remain in a standing position for extended periods of time.
Work in a variety of weather conditions with exposure to the outdoor elements.
Travel across rough, uneven, or rocky surfaces.
Commit to teamwork, have a shared commitment to quality, and demonstrate the willingness to assume ownership.
Maintain regular consistent attendance and punctuality.

Education & Experience

Completion of a recognized 4 year electrical apprenticeship and at least 2 years experience as a journey level Electrician.

Must possess a valid Arizona Driver's License with no major driving citations in the last 39 months.

FLSA Status: Non-exempt

HR Ordinance Status: Classified